

Date: Tue, 9 Feb 93 08:06:38 PST  
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>  
Errors-To: Info-Hams-Errors@UCSD.Edu  
Reply-To: Info-Hams@UCSD.Edu  
Precedence: Bulk  
Subject: Info-Hams Digest V93 #189  
To: Info-Hams

Info-Hams Digest                      Tue, 9 Feb 93                      Volume 93 : Issue 189

Today's Topics:

900 Mhz Rabbit VCR extenders  
[news-mail-gateway@ucsd.edu: HTX-100]  
About Kenwood TH-78 ???  
ARRL BULLETIN 14 ARLB014  
Cheap stereo headphones  
Daily Solar Geophysical Data Broadcast for 08 February  
Endurance  
Ferrite and Powdered Iron Cores  
How is 20 WPM code test sent? (2 msgs)  
Midland 13-516 Transceiver Service Manual  
Mobile rig in Camry-Hazardous to Your \$  
multiple licenses  
Opinions on IC-2SRA  
QRP amplifier ---> shorting stick  
Real Hams Pass British Exams?  
Rechargeable Air-Zinc Batteries?  
Stolen vehicle  
WARNING: Bogus Mods for HTX202!

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>  
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>  
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available  
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text  
herein consists of personal comments and does not represent the official  
policies or positions of any party. Your mileage may vary. So there.

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Date: 8 Feb 93 22:29:12 GMT  
From: dog.ee.lbl.gov!hellgate.utah.edu!cs.utexas.edu!milano!shrike!ut-emx!  
mac27.util.utexas.edu!miles@network.UCSD.EDU  
Subject: 900 Mhz Rabbit VCR extenders  
To: info-hams@ucsd.edu

Rabbits are already in the shared consumer/ham 900 MHz band. The ATV folks here in Austin use them with helical antennas, so you can operate two signals on one frequency, different poliarizations, with minimal interference.

Rabbits use an 18 VDC supply, reduced to 12 V in the units.

I!ve been trying to put together a TV camera + Rabbit transmitter rig to hang from a kite, and a preamp + Rabbit receiver + TV set for use on the ground. Using a Down East Microwave preamp kit, which comes with minimal instructions. My first SMT construction, easier than I thought it would be.

```
= = = = =
_      Miles Abernathy, N5K0B      =
| |__ miles@emx.cc.utexas.edu      =
_|   | POB 7580, Austin TX 78713   =
\  * / University of Texas @ Austin =
  \/   tel. (512) 471-6521          =
= = = = =
```

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Date: 9 Feb 93 15:32:41 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: [news-mail-gateway@ucsd.edu: HTX-100]  
To: info-hams@ucsd.edu

Now what would be nice, is if someone could come up with a 6M  
CONVERSION for the HTX-100/Uniden 2510/2600.  
That would increase 6M activity, I think.

73, doug <faunt@netcom.com>

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Date: 9 Feb 93 07:46:23 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: About Kenwood TH-78 ???  
To: info-hams@ucsd.edu

Hello,

I bought a TH-78, and as the mods says, i start it with the good  
push button combinaison to expand RX.

My first question is : what mean the beep on 50Mhz to 70Mhz band ?

Is the pll not working ? Do the receiving working so ?

Second : Do the receiving really effective on 800 to 999 Mhz ?

For two days i scanning this band, nothing is hearing (i leave near Paris (2km) and there, i think somebody use these band...

Third : I have many QRN on 300 Mhz band, do it is radio interferences?  
or does it is a receiving problem of TH-78 ?

Fourght : Is anybody had made receiving mesurement on differents bands to see the attenuation on RX ? As i don't work in a radio service i can't do it myself.

Thanks for all.

FC1JS0	Frederic
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Please, answer to : [fc1jso@stna7.stna.dgac.fr](mailto:fc1jso@stna7.stna.dgac.fr) , i will made a global bulletin for all for these questions.

Date: 9 Feb 93 05:59:22 GMT

From: ogicse!uwm.edu!zaphod.mps.ohio-state.edu!mstar!n8emr!

bulletin@network.UCSD.EDU

Subject: ARRL BULLETIN 14 ARLB014

To: [info-hams@ucsd.edu](mailto:info-hams@ucsd.edu)

| Automatic relayed from packet radio via |  
| N8EMR's Ham BBS, 614-895-2553 |

ZCZC AG55

OST DE W1AW

ARRL BULLETIN 14 ARLB014

FROM ARRL HEADQUARTERS NEWINGTON CT

FEBRUARY 8, 1993

RELAYED BY KB8NW/OBS &amp; BARF-80 BBS

TO ALL RADIO AMATEURS

SB OST ARL ARLB014

ARLB014 BILL PROTECTS AMATEURS

A TELECOMMUNICATIONS BILL TO FREE UP GOVERNMENT SPECTRUM FOR COMMERCIAL USE, INTRODUCED INTO THE NEW U.S. CONGRESS, CONTAINS IMPORTANT PROTECTIONS FOR RADIO AMATEURS. THE BILL, S. 335, IS A REVISED VERSION OF S. 218, WHICH WAS NOT ACTED UPON IN THE LAST CONGRESS.

DURING THE LAST, 102ND, CONGRESS, THE ARRL SUGGESTED SIX POSSIBLE AMENDMENTS TO S. 218 TO MITIGATE THE EFFECT OF RELEASING FOR PRIVATE USE GOVERNMENT FREQUENCIES, SOME OF WHICH RADIO AMATEURS OCCUPY ON A SHARED, SECONDARY, NON-INTERFERENCE BASIS. FIVE OF THESE SIX PROPOSED AMENDMENTS WERE INCORPORATED INTO S. 335.

SENATOR DANIEL INOUE (D-HI) INTRODUCED S. 335, "THE EMERGING TELECOMMUNICATIONS TECHNOLOGIES ACT OF 1993," ON FEBRUARY 4, SAYING:

"SENATOR STEVENS" (CO-SPONSOR FROM ALASKA) "AND I HAVE INCORPORATED SOME CHANGES TO ACCOMMODATE CONCERNS OF THE AMATEUR RADIO INDUSTRY. I AM HAPPY TO INCLUDE THESE CHANGES IN ORDER TO PROTECT THE RIGHTS OF AMATEUR RADIO USERS TO THEIR SPECTRUM."

THE CHANGES MADE AS A RESULT OF THE ARRL INITIATIVE ARE AS FOLLOWS:

1. THE BILL MAKES A "FINDING" THAT "A REASSIGNMENT OF FEDERAL GOVERNMENT FREQUENCIES CAN BE ACCOMPLISHED WITHOUT ADVERSE IMPACT ON AMATEUR RADIO LICENSEES THAT CURRENTLY SHARE ALLOCATIONS WITH FEDERAL GOVERNMENT STATIONS."

2. IN DETERMINING WHETHER A FREQUENCY REALLOCATION IS FEASIBLE, THE SECRETARY OF COMMERCE SHALL "SEEK TO AVOID EXCESSIVE DISRUPTION OF EXISTING USE OF FEDERAL GOVERNMENT FREQUENCIES BY AMATEUR RADIO LICENSEES."

3. ONE BASIS TO BE USED IN DETERMINING WHETHER COMMERCIAL USE OF A FREQUENCY IS FEASIBLE IS TO BE "THE EXTENT TO WHICH COMMERCIAL USERS CAN SHARE THE FREQUENCY WITH AMATEUR RADIO LICENSEES."

4. THE ADVISORY COMMITTEE CONVENED TO REVIEW AND ADVISE UPON THE SECRETARY'S REPORT SHALL INCLUDE REPRESENTATIVES OF "OTHER USERS OF THE ELECTROMAGNETIC SPECTRUM, INCLUDING RADIO AND TELEVISION BROADCAST LICENSEES, STATE AND LOCAL PUBLIC SAFETY AGENCIES, AMATEUR RADIO LICENSEES, AND THE AVIATION INDUSTRY."

5. THE PRESIDENT MAY, ON CERTAIN GROUNDS, SUBSTITUTE ALTERNATIVE FREQUENCIES OR BANDS FOR THOSE CHOSEN. AMONG THE GROUNDS ON WHICH HE MAY ACT IS "THE REASSIGNMENT WILL DISRUPT THE EXISTING USE OF A FEDERAL GOVERNMENT BAND OF FREQUENCIES BY AMATEUR RADIO LICENSEES."

6. COMPETITIVE BIDDING AUTHORITY GIVEN THE FCC UNDER THIS ACT "SHALL NOT EXTEND TO ... AMATEUR OPERATOR SERVICES...."

"THESE CHANGES GO A LONG WAY TOWARD ADDRESSING AMATEURS' CONCERNS ABOUT THIS LEGISLATION, AND CLEARLY ESTABLISH THAT OUR NEEDS MUST BE CONSIDERED AS THE BILL PROCEEDS THROUGH THE CONGRESS," ARRL

EXECUTIVE VICE PRESIDENT DAVID SUMNER, K1ZZ SAID.  
NNNN

-----  
Date: 9 Feb 93 12:00:48 GMT  
From: ogicse!emory!gatech!darwin.sura.net!dtix.dt.navy.mil!oasys!  
kstuart@network.UCSD.EDU  
Subject: Cheap stereo headphones  
To: info-hams@ucsd.edu

In rec.radio.amateur.misc, a-kevinp@microsoft.COM (Kevin Purcell, Rho) writes:

>When I was in CA over Christmas I happened to visit a 99c store  
>(everything less than a dollar) to get some wrapping paper. Whilst  
>standing in the checkout line I spotted some stereo type headphones for  
>99c (Pomtrex -- bright yellow). As my cats had eaten my set that I use  
>portable I decided I couldn't loose so I bought a pair.  
>  
>  
>or music use they're hopeless but for voice or CW use their OK.  
>Their sensitivity is a lot less than the more expensive units but most  
>of my radios have plenty of drive. They're also a lot more comfortable  
>than I expected (but not up to Sony standard) and their cheap enough  
>that I don't worry about how I handle them.  
>

I'd like to add that a few years ago, I was looking for suitable cans  
(earphones, that is, for the newcomer's benefit) for my SANTEC H/T.  
Most of the phones that I had at home worked reasonably well, but they  
were really too sensitive. Also, when the squelch in the SANTEC opened,  
there would be a loud "THUMP" which was very disconcerting, to say the  
least!

Then one day, I found a special offer in my grocery store - two cassette  
blank tapes plus a set of fold-up stereo phones for about \$3.00.

Best \$3.00 investment I ever made!

I threw the tapes away and started using the phones with the H/T. The  
sensitivity was poor enough that the squelch transient was almost  
nonexistant, yet there was plenty of sensitivity for the SANTEC's output.

IMHO, this was a match made in Ham-Heaven! Also, if I were to accidentally  
leave the cans at a public service/ARES event, I wouldn't even lose  
a minute's sleep over the loss.

[Ken Stuart, W3VVN   kstuart@oasys.dt.navy.mil]

>So check out any "ultra" cheap stores -- you don't know what you might find!

>

>Kevin Purcell, N7WIM / G8UDP

X E N O L I T H

>a-kevinp@microsoft.com

318 10th Avenue E #C7

>(206) 882-8080 x14710

Seattle, WA 98102

>

(206) 726-8032

-----  
Date: 9 Feb 93 08:37:30 GMT

From: news-mail-gateway@ucsd.edu

Subject: Daily Solar Geophysical Data Broadcast for 08 February

To: info-hams@ucsd.edu

!!BEGIN!! (1.0) S.T.D. Solar Geophysical Data Broadcast for DAY 039, 02/08/93

10.7 FLUX=188.4 90-AVG=137 SSN=181 BKI=4454 3534 BAI=029

BGND-XRAY=B8.5 FLU1=2.4E+06 FLU10=1.0E+04 PKI=4554 3534 PAI=034

BOU-DEV=049,069,092,043,025,071,021,048 DEV-AVG=052 NT SWF=00:000

XRAY-MAX= C9.2 @ 0233UT XRAY-MIN= B7.2 @ 0416UT XRAY-AVG= C1.3

NEUTN-MAX= +003% @ 1225UT NEUTN-MIN= -002% @ 2300UT NEUTN-AVG= +0.3%

PCA-MAX= +0.1DB @ 2350UT PCA-MIN= -0.2DB @ 2145UT PCA-AVG= +0.0DB

BOUTF-MAX=55426NT @ 0618UT BOUTF-MIN=55362NT @ 1703UT BOUTF-AVG=55401NT

GOES7-MAX=P:+120NT@ 2010UT GOES7-MIN=N:+002NT@ 2312UT G7-AVG=+067,+039,+014

GOES6-MAX=P:+130NT@ 1910UT GOES6-MIN=E:-021NT@ 0636UT G6-AVG=+079,+005,+053

FLUXFCST=STD:180,175,170;SESC:180,175,170 BAI/PAI-FCST=020,015,015/025,015,015

KFCST=3345 5333 2234 4323 27DAY-AP=010,009 27DAY-KP=3332 3231 1122 3324

WARNINGS=\*MAJFLR;\*SWF;\*PROTON;\*PCA;\*AURMIDWCH

ALERTS=

!!END-DATA!!

-----  
Date: Wed, 3 Feb 1993 18:02:38 GMT

From: Cadence.COM!jdm@uunet.uu.net

Subject: Endurance

To: info-hams@ucsd.edu

In article <1k1j57INN3co@emx.cc.utexas.edu> oo7@emx.cc.utexas.edu (Q. Burpington-Smythe) writes:

>K1MER says:

>

>>>A few days ago, Joe Mastroianni, AA6YD, invited all of us here in net-land to

>>>partake of his short story "ENDURANCE" in the Feb issue of QST. This message

>>>of congratulations is for Joe....

>

>  
>Are contrary opinions allowed? I thought it was a load of old rubbish :-)  
>The only reason for calling it Endurance is that this is what it takes on  
>the part of the reader to finish the thing. People must like these QST  
>stories, they publish them so often, but I find them a real waste of paper.  
>

Sure, contrary opinions are not only allowed, but accepted with gratitude.  
It takes energy to respond and I, for one, appreciate that.

I'm still a blithering amateur at the writing game. God knows, you kind  
folks have put up with my blather for years now. But I count myself  
lucky enough to have been treated fairly by most on this newsgroup. Derek,  
in my view, has posted some of the more cogent, thoughtful, pieces here.  
Over the years we've exchanged one or two e-mails on a variety of topics.  
His input is very valuable to me.

Believe it or not, posting here on the Internet led to a lot fo interesting  
things. It led to several pieces published in QST. It led to a good  
working relationship with the editors there. It led to a respectable  
literary agent picking me out of the pile and offering to represent me.

My agent says I should consider myself lucky to get any kind of response  
from people. Responses take people's time and they don't usually give it  
unless they feel strongly about something. A writer's job is to make people  
feel strongly about things--either positively or negatively. It's a  
lack of response that indicates failure, she says.

Enough philosophy.

Cheers,

Joe

>  
>So there, Well, you asked :-)  
>  
>  
>Derek Wills (AA5BT, G3NMX)  
>Department of Astronomy, University of Texas,  
>Austin TX 78712. (512-471-1392)  
>oo7@astro.as.utexas.edu  
>oo7@emx.utexas.edu

--

Joe Mastroianni                   AKA: AA6YD   AA6YD @ N6LDL.#NOCAL.CA.USA.NA  
Cadence Design Systems       Compuserve: 74017,310   Genie: JOE-M  
Santa Clara Ca.                "Up the airy mountain;down the rushy glen; we  
jdm@cadence.com                daren't go a hunting; for fear of little men "

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Date: 9 Feb 93 02:07:34 GMT  
From: ogicse!uwm.edu!cs.utexas.edu!asuvax!chnews!ssd.intel.com!  
dermer@network.UCSD.EDU  
Subject: Ferrite and Powdered Iron Cores  
To: info-hams@ucsd.edu

Has anyone ever developed a cross reference between the popular "industrial" ferrite and powdered iron cores, like Fair Rite, Ferroxcube, Micrometals, et al, and the Amidon cores? For instance, if a Motorola tech note calls for a FairRite 2643021801, what might be a good Amidon substitute? I could, I know, figure out something appropriate from the nature of the application (and possibly a little experimentation), but I'm basically lazy, and thought someone else might have done all the work once and for all.

Greg   WA9WUM

dermer@ssd.intel.com

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Date: 8 Feb 93 23:36:06 GMT  
From: olivea!charnel!rat!mimbres.cs.unm.edu!constellation!essex.ecn.uoknor.edu!  
usenet@ames.arpa  
Subject: How is 20 WPM code test sent?  
To: info-hams@ucsd.edu

In article <1993Feb8.182331.29988@VFL.Paramax.COM> rossi@gvlf9-q.gvl.unisys.com (Pete Rossi) writes:

>A friend hopes to go for his 20 WPM test in the next few weeks was  
>wondering how the test is sent? Is it straight 20 WPM characters and  
>20 WPM spacing? Or is some kind of Farnsworth method used like they  
>do the 13 WPM tests?

I took, and passed :-), the 20 wpm test given by a W5YI VE group. The tape was a W5YI tape. I didn't ask how it was sent, but to me it seemed about like the 20 wpm character and word spacing that I had been practicing with SuperMorse. For that matter, it seemed



like the W1AW code practice, too. I don't believe the Farnsworth method is used much when you get up to 20 or so. Hope that helps.

```
+-----+
| Jud Ahern KC5RI                Bitnet: jahern@uokgcn.bitnet      |
| Geology & Geophysics          Internet: jahern@geohub.gcn.uoknor.edu |
| University of Oklahoma        "Opinions expressed here reflect the entire|
| Norman, OK 73019              University, in one convenient location." |
+-----+
```

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Date: 9 Feb 93 08:08:52 GMT  
From: ogicse!uwm.edu!spool.mu.edu!howland.reston.ans.net!sol.ctr.columbia.edu!  
news.cs.columbia.edu!popovich@network.UCSD.EDU  
Subject: How is 20 WPM code test sent?  
To: info-hams@ucsd.edu

In article <C25G3M.21D@acsu.buffalo.edu>,  
v111qheg@ubvmsb.cc.buffalo.edu (P.VASILION) writes:  
>In article <1993Feb8.182331.29988@VFL.Paramax.COM>, rossi@gvlf9-q.gvl.unisys.com  
(Pete Rossi) writes...  
>>A friend hopes to go for his 20 WPM test in the next few weeks was  
>>wondering how the test is sent? Is it straight 20 WPM characters and  
>>20 WPM spacing? Or is some kind of Farnsworth method used like they  
>>do the 13 WPM tests?  
>  
>This usually depends on your VEC. The local ARRL guys use the tapes with  
>21 WPM characters spaced out to 20 WPM overall. The W5YI group is flexible  
>and offers exams with Farnsworth spacing. I know of one test where the W5YI  
>group made up an exam with 26 WPM characters spaced out to 20, so best to  
>check with your group.

21 WPM characters spaced out to 20 WPM overall? I think I'd have considerable difficulty telling the difference between that and straight 20-WPM spacing. Is this a typo?

I seem to be the only ARRL VE on the net who is anal retentive enough to read the VE Manual and post sections of it in response to questions, or perhaps it's just that I'm the only one around who left the manual in the office instead of at home. :-) But anyway, here we go again...

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Morse--The Farnsworth Way. The ARRL/VEC provides Morse code audio cassette tapes which utilize the Farnsworth method of Morse code which generates characters at a faster rate, while extra space is inserted

between characters and words to slow the overall speed. For example, the ARRL/VEC 5 WPM Morse code exam has the characters sent at 18 WPM, while the spacings between characters and words slows the overall rate to 5 WPM [The grammatical error in this sentence is present in the original manual. --ssp]. The same is true for our 13 WPM exam [Well, not quite the same, since the overall rate shouldn't be 5 WPM. I assume that this means that the characters are sent at 18 WPM, with spacing added to slow the overall rate to 13 WPM. --ssp]. As for 20 WPM, the character speed is 20 WPM--Farnsworth is therefore not used.

-----

So the ARRL/VEC, at least, claims not to use Farnsworth on its 20 WPM exams. We're still gearing up for our first actual exams here, so I can't say for certain whether they do or not :-).

-Steve, WB3I

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Date: Mon, 8 Feb 93 11:26:44 EST  
From: vnet.ibm.com@uunet.uu.net  
Subject: Midland 13-516 Transceiver Service Manual  
To: info-hams@ucsd.edu

I am looking for a Technical Service Manual for a Midland 13-516 VHF Tranceiver (or a copy of one). Up until now, I have been unable to locate anyone who can help me.

Any help or information would be appreciated. Please respond to the following internet id.

Wayne Salhany  
salhany@vnet.ibm.com

--... ..-- ... ..-- ... ..-- ... ..-- ... ..--

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Date: 8 Feb 93 22:12:52 GMT  
From: elroy.jpl.nasa.gov!sdd.hp.com!usc!cs.utexas.edu!milano!shrike!ut-emx!mac27.util.utexas.edu!miles@ames.arpa  
Subject: Mobile rig in Camry-Hazardous to Your \$  
To: info-hams@ucsd.edu

There was a published(?) report a few months ago of the ham owner of a new 92 Camry, who had a ham rig installed. First time she transmitted, the ignition computer fried. Replacement cost \$1100+. Not a warranty item, due to a warning in the owner's and / or service manual about the use of transmitting equipment. I believe that is where the thread started.

```
= = = = =
-      Miles Abernathy, N5KOB      =
| |__ miles@emx.cc.utexas.edu      =
_|   | POB 7580, Austin TX 78713   =
\ * / University of Texas @ Austin =
  \ /   tel. (512) 471-6521        =
= = = = =
```

strange? I've tried  
all codes from #000 to #400, and found the above listed. Anyone  
interested in trying other codes can leave me email and we can make  
it a group effort (ie: prefixing with \*, using A-D, etc).

-ks  
KD6RCT

--

The opinions expressed are not necessarily those of the University of  
North Carolina at Chapel Hill, the Campus Office for Information  
Technology, or the Experimental Bulletin Board Service.  
internet: laUNCHpad.unc.edu or 152.2.22.80

-----  
Date: 8 Feb 93 16:15:42 GMT  
From: dog.ee.lbl.gov!hellgate.utah.edu!cs.utexas.edu!milano!shrike!ut-emx!  
astro.as.utexas.edu!oo7@network.UCSD.EDU  
Subject: multiple licenses  
To: info-hams@ucsd.edu

rossi@gvlf9-q.gvl.unisys.com (Pete Rossi) asks:

> What mechanism does the FCC and VECs have to prevent someone from  
> obtaining more than one amateur license?

Unless you go straight from nothing to Extra class, you get one or  
more intermediate licenses and (if you want to) several different  
callsigns. Each license is good for 10 yrs and I don't see anything  
that says that your earlier license expires when you upgrade. It may  
be in the small print somewhere, and there are few occasions when you  
would want to use more than one of your callsigns.

I did raise this question here at least a year ago, and nobody knew  
the answer, or was interested in it - but it's not clear to me that  
you have to stop using your earlier callsign when you upgrade to a  
higher license level, or exactly when you have to stop using it - is  
it within a week, within a day, or do you have to change calls in  
mid-QSO when the new license arrives in your mail box?

As I say, this may well be answered in the regs somewhere, and if I wanted to use my earlier callsign on a regular basis I would go and look at the rules, but since I don't, I didn't.

I do have two callsigns, but not from the same country -

Derek Wills (AA5BT, G3NMX)  
Department of Astronomy, University of Texas,  
Austin TX 78712. (512-471-1392)  
oo7@astro.as.utexas.edu  
oo7@emx.utexas.edu

-----  
Date: Mon, 8 Feb 1993 18:59:28 -0500  
From: news.cs.indiana.edu!chang%cs.indiana.edu@purdue.edu  
Subject: Opinions on IC-2SRA  
To: info-hams@ucsd.edu

It has an amazing receiving range of 50 to 905 MHz.  
What's the trade-off ? Can anyone tell me ?  
Thanks !!

Paul

-----  
Date: 9 Feb 93 12:06:18 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: QRP amplifier ---> shorting stick  
To: info-hams@ucsd.edu

>Ron, oil filled HV caps aren't electrolytics, but they sure can build  
>a charge just sitting on a shelf. That's why they are always stored  
>with a shorting wire between their terminals. Proper use of the shorting  
>stick requires that it be \*hung\* in the circuit for the duration of  
>servicing, not just briefly touched to the circuit and then put aside.  
>Note too that transmitters with shorting sticks have an interlock that  
>requires the shorting stick be properly stowed before power can be  
>reapplied to the circuit. Otherwise, forgetful engineers could make  
>a big bang by applying power without removing the safety short.

>Gary

--

>Gary Coffman KE4ZV | You make it, | gatech!wa4mei!ke4zv!gary

This reminds me of a story I was told by a technician while visiting

one of the local aluminum smelting plants. Their "pot lines" run on 900 volts and draw 100,000 amps each. One day a few years ago a worker shut one down for maintenance and installed the mandatory shorting bar. He forgot to remove it before reconnecting the power. The resulting short caused the failure of the adjacent hydroelectric power station and turned off the juice to 1/2 the city of Montreal. Musta been a pretty hefty shorting bar.

Michael Owen W9IP  
MROWEN@STLAWU

-----  
Date: 9 Feb 93 08:45:17 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: Real Hams Pass British Exams?  
To: info-hams@ucsd.edu

Hi David,

>I might go take the test one of these days, if I'm ever over there...

Well you might want to bear in mind that (as far as I know) there are only two sittings of the exam per year (in lots of different places), one in May, and one in December.

73,

Paul, GW7KES

-----  
Date: Tue, 9 Feb 1993 01:07:32 GMT  
From: elroy.jpl.nasa.gov!usc!sol.ctr.columbia.edu!The-Star.honeywell.com!umn.edu!csus.edu!netcom.com!feustel@ames.arpa  
Subject: Rechargeable Air-Zinc Batteries?  
To: info-hams@ucsd.edu

I got mail yesterday from a company selling rechargeable air-zinc batteries. 240 Watt-Hours per charge. The batteries sell for about \$700. Anyone have any experience with or opinions concerning these batteries?

--

Dave Feustel N9MYI <feustel@netcom.com>

"America isn't \*becoming\* a police state; it \*has been\* a police state for some time. Most people are too dumb or too busy watching Seinfeld to notice. They won't feel the garotte until it's too late for anything but

total submission to Government control of everything." - me

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Date: 8 Feb 93 15:56:12 GMT  
From: almaden.ibm.com@uunet.uu.net  
Subject: Stolen vehicle  
To: info-hams@ucsd.edu

In <9302062044.AA04919@netcom.netcom.com> Michael Bothe writes:  
>Sometime between 2.5.93 2230 hrs and 2.6.93 0900 a 1988 Honda was taken from  
>out locked garage. Licence plate is N6QYU. Car is cream colored with San Jose  
>Sharks stickers in the rear windows. There is a 220 MHZ antenna mounted on the  
>trunk. If this vehicle is spotted please notify your local police agency.  
>  
>--  
>Thanks, KB6OWT & N6QYU  
>

Ouch!!!!!!!

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Date: 9 Feb 93 01:47:10 GMT  
From: pacbell.com!amdahl!netcomsv!netcom.com!johnnyb@decwrl.dec.com  
Subject: WARNING: Bogus Mods for HTX202!  
To: info-hams@ucsd.edu

Beware of bogus modifications for the Realistic HTX202 2M HT. I've even  
seens these modifications published in modification handbooks. You can  
tell that the mods are bogus if they contain directions to remove chip  
resistor R33. If you remove this resistor you will lose the high power  
mode on your radio!

-johnnyb@netcom.com

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End of Info-Hams Digest V93 #189  
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